

Docket No. 217 – Development and Management Plan Inspection

Northeast Utilities Service Company Certificate of Environmental Compatibility and Public Need for the construction of a 345-kV electric transmission line and reconstruction of an existing 115-kV electric transmission line between Connecticut Light and Power Company's Plumtree Substation in Bethel, through the towns of Redding, Weston, and Wilton, and to the Norwalk Substation in Norwalk, Connecticut.

Date: December 30, 2004

Inspector: Diana Walden

Location: Norwalk Substation Expansion

**Storm/
Rain Event** The area received 1.63-0.63" of rain based on varying reports on 12/23/04, with only other traces since then.

Areas of Inspection	Observation	Recommended Action
Access Roads and Adjacent Roadways	<ul style="list-style-type: none"> -A haybale was placed by the inlet near the Route 7 ramp but the rain undermined the silt fence and caused further sedimentation around the inlet 12/30/04 - The ground had a thawing event in the first few inches and the yard is fairly muddy. 12/30/04 	<ul style="list-style-type: none"> -The silt fence should be toed into the soil at least 6 inches and the sediment cleared from around the inlet 12/30/04 - The earthen swale should continue to be monitored for effectiveness and may require additional stabilization in the future.12/30/04
Foundation construction	<ul style="list-style-type: none"> - Work now involves forming and pouring the footings for the GIS building. Material has been stock piled but is well within the site and is contained by wall 2. 12/22-12/30/04 - Additional excavation is occurring to the south of wall 3 but stockpiles are well within the yard. 12/30/04 	<ul style="list-style-type: none"> - None at this time. 12/30/04 - Areas are contained, none at this time. 12/30/04
Erosion and Sediment Controls (includes inspection within 24 hours of a storm event)	<ul style="list-style-type: none"> - The silt fence remains as necessary at the ends of the overflow channel where vegetative has not fully established. 12/16-12/30/04 	<ul style="list-style-type: none"> - Continue to be proactive in silt fence repair and maintenance where needed.

Areas of Inspection	Observation	Recommended Action
Erosion and Sediment Controls continued	-The overflow channel continues to work well as the water remains free of sediment and further erosion has not occurred in this area. 12/02-12/30/04.	- None at this time. 12/30/04
	- A haybale has been placed at the flared inlet near the Rt 7 ramp, but the silt fence was undermined by runoff . 12/16-12/22/04	- Continue to monitor for effectiveness. 12/30/04 - The silt fence should be toed in 6" and the sediment cleared from around the inlet. 12/30/04
	- Concrete washouts have resumed in the contained pit in the center of the site as appropriate, but concrete truck and wheel washing was noted in the yard. 12/30/04	-Any activity creating concrete wash water should be restricted to the pit as well. 12/30/04
	- Most of the yard is fairly muddy due to warmer temperatures following the rain. 12/30/04	-Continue to monitor for overall stabilization. In the Spring the situation should be evaluated as additional seeding may be necessary. 12/30/04
Inland Wetland and Watercourse encroachment and mitigation	- Silt fence has been removed from most areas along the wetland/river side of the channel as the area is stabilized. 12/16/04	-None at this time. Continue to monitor. 12/16/04-12/30/04
State species of concern, threatened and endangered species	- No species of concern are located in this area of construction.	- N/A
Vegetative clearing limits (including trees to save or danger trees noted)	-Some plantings along the channel were flagged for damage to see how they survive the winter. 11/18/04	- The plantings will be evaluated for any permanent damage in the spring and hydroseed was placed as ground cover here. 11/18/04
Dewatering	- Dewatering activities are complete at this time.	-No actions required at this time.
Blasting	- No blasting is occurring on site at this time and it is not	- None at this time.

Areas of Inspection	Observation	Recommended Action
	anticipated to be necessary.	
Spills and Material Storage	<ul style="list-style-type: none"> - There were no spills reported during the week or observed during inspection. 12/30/04 - No equipment drips were noted during the inspection. 12/30/04 	<ul style="list-style-type: none"> - The contractors should remain vigilant about securing and handling fuel containers due to the sensitivity of the area - Continue to keep all vehicles maintained well (i.e. no apparent fluid leaks) if they will be used or stored on site. Check equipment status on a regular basis. - Report spills to the office immediately, even if they are being controlled.
Additional Observations	<ul style="list-style-type: none"> - As previously noted, construction activities are ongoing on the bridge on Broad Street to the north. 9/10-12/30/04 - The island or bank on which the bridge footing was located is mostly bare of vegetation but has erosion control. 	<ul style="list-style-type: none"> - The work is unrelated to the Norwalk substation but should be noted as it is occurring in the adjacent area and could be a potential off-site sedimentation source. 9/10-12/30/04

Next likely scheduled inspection:

Friday, January 7, 2005

I have personally examined and am familiar with the information submitted in this document and all attachments and certify that based on reasonable investigation, including my inquiry of those individuals responsible for obtaining the information, the submitted information is true, accurate and complete to the best of my knowledge and belief, and I understand that any false statements made in this document or its attachments may be punishable as a criminal offense in accordance with Section 22a-6 under Section 53a-157 of the Connecticut General Statutes.

Inspector's Signature:

Diana Walden

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Date: December 30, 2004

Inspector: Diana Walden

Location: Plumtree Substation Expansion , Bethel

**Storm/
Rain Event** The area received 1.63-0.63" of rain based on varying reports on 12/23/04, with only other traces since then.

Areas of Inspection	Observation	Recommended Action
Access Roads	- No new access roads have been constructed at this time 12/30/04	- None at this time. 12/30/04
Foundation construction	-The major work of placing equipment on the recently constructed slab is ongoing. 12/30/04 - The new trench closer to the perimeter fence is under excavation and stockpiles have been placed next to it. The sediment has not migrated towards the fence. 12/30/04	- The areas are still contained at this time. From the gradient, it does not appear sedimentation beyond the fence will be an issue but small pockets of pooling water may require reinforcement of the berm here. 12/30/04
Erosion and Sediment Controls (includes inspection within 24 hours of a storm event)	- The site is fairly muddy at this time following some warmer weather. Most areas remain well contained by the perimeter berm. Some areas of pooling water by the perimeter fence may potentially cause a spillover where the berm is not as high as in other places. 12/30/04	- Although the gradient of the site would typically drain water from this area, isolated spots are pooling and could potentially run off site. Some gravel could be placed here to reinforce the berm which is low in this spot. 12/30/04

Areas of Inspection	Observation	Recommended Action
	- There is no silt fence in place at this time, however major stockpiles are covered in plastic following the end of each work day. 9/16-12/30/04	-All stockpiles are well-contained. 12/30/04
	- The stone perimeter berm is well in place and contains the yard. It effectively prevents any turbid water from leaving the site. The low spot could be reinforced. 12/30/04	- The berm is working well at this time. Consider reinforcing the berm in low spots as activities approach. 12/30/04
Inland Wetland and Watercourse encroachment and mitigation	- Wetlands are located around the outskirts of the substation yard. Work is fairly close to the perimeter fence but there is no noted sedimentation to the wetland area. 9/10-12/30/04	- The stone berm around the perimeter of the yard continues to prevent sedimentation and water from leaving the site and getting to the wetland edge. 9/23-12/30/04
State species of concern, threatened and endangered species	- No species of concern are located in this area of construction.	- N/A
Vegetative clearing limits (including trees to save or danger trees noted)	- No vegetation outside of the substation yard will need to be cleared during the expansion work.	- N/A
Dewatering	- Dewatering has resumed during the trench work and the discharge water is being directed to an area contained on site.12/30/04	- None at this time.
Blasting	- No blasting is occurring on site at this time.	- None at this time.
Spills and Material Storage	- There were no spills reported during the week or noted on site during the inspection. There are few pieces of machinery on site at	- The contractors should remain vigilant about securing and handling fuel containers. - Keep all vehicles maintained

Areas of Inspection	Observation	Recommended Action
	this time. 12/30/04	<p>well (i.e. no apparent fluid leaks) if they will be used or stored on site. Check equipment status on a regular basis.</p> <p>- Report spills to the office immediately, even if they are being controlled.</p>
Additional Observations		

Next likely scheduled inspection:

Friday, January 7, 2005

I have personally examined and am familiar with the information submitted in this document and all attachments and certify that based on reasonable investigation, including my inquiry of those individuals responsible for obtaining the information, the submitted information is true, accurate and complete to the best of my knowledge and belief, and I understand that any false statements made in this document or its attachments may be punishable as a criminal offense in accordance with Section 22a-6 under Section 53a-157 of the Connecticut General Statutes.

Inspector's Signature:

Diana Walden



View of new minor excavation to the south of wall #3. Some stockpiles resulted but all soil is contained within the site. 12/30/04



View of the forms and footings being constructed for the GIS building. 12/30/04



Concrete washouts have resumed in the pit in the center of site as appropriate but All concrete truck and wheel washings should take place here as well. 12/30/04



A haybale was placed at the inlet near the Rt. 7 ramp but rainfall has eroded under the sit fence placed around it. The fence should be toed in 4-6" inches and sedimentation cleared away. 12/30/04



Plumtree Substation: View of the excavation on the new trench closer to the perimeter fence. The stockpile is contained within the site. 12/30/04



Although the gradient of the yard slopes away from the fence overall, small isolated areas have the potential to spill over towards the wetlands. The berm is low here and should be reinforced. 12/30/04